



CITY COUNCIL

AGENDA REQUEST

AGENDA OF:	09-21-10	AGENDA REQUEST NO:	VII-C
INITIATED BY:	TIMOTHY JAHN P.E., ENGINEER IV	RESPONSIBLE DEPARTMENT:	UTILITIES
PRESENTED BY:	TIMOTHY JAHN P.E., ENGINEER IV	DEPARTMENT HEAD:	SUE ELLEN STAGGS, DIRECTOR OF UTILITIES <i>EMS</i>
		ADDITIONAL DEPARTMENT HEAD (S):	CHRISTOPHER STEUBING, P.E., CFM, CITY ENGINEER <i>CLS</i>
SUBJECT / PROCEEDING:	ALTERNATIVE DISINFECTION WA0605 AUTHORIZE CONSTRUCTION CONTRACT WITH R&B GROUP, INC.		
EXHIBITS:	LOCATION MAP BID TABULATION AND RECOMMENDATION OF AWARD LETTER		
CLEARANCES		APPROVAL	
LEGAL:	N/A	EXECUTIVE DIRECTOR:	N/A
PURCHASING:	TODD REED, PURCHASING MANAGER <i>(P)</i>	ASST. CITY MANAGER:	KAREN DALY <i>Kd</i>
BUDGET:	JENNIFER BROWN, <i>JB</i> BUDGET AND RESEARCH DIRECTOR	CITY MANAGER:	ALLEN BOGARD <i>Allen Bogard</i>
BUDGET			
EXPENDITURE REQUIRED: \$		930,200.00	
CURRENT BUDGET: \$		1,648,047.00 CIP WA0605	
ADDITIONAL FUNDING: \$		N/A	
RECOMMENDED ACTION			
Authorize execution of a construction contract with R&B Group, Inc. for the Alternative Disinfection Project, CIP WA0605, in a maximum amount of \$930,200.			

EXECUTIVE SUMMARY

The City currently owns and operates groundwater plants to supply potable water to the City and wholesale users. The groundwater plants (Lakeview, Woodchester, Sugar Creek, Austin Parkway, First Colony, and River Park) use gaseous chlorine feed systems for disinfection. Due to the close proximity of the groundwater plants to residential homes and businesses, an alternative disinfection project was created to replace the existing gaseous chlorine feed systems to liquid sodium hypochlorite (liquid chlorine) in order to reduce potential risks associated with the accidental release of gaseous chlorine. However, due to the recent rising costs of sodium hypochlorite, the project was revised to leave the existing gas chlorine feed system in place and install chlorine scrubber systems at each of the six groundwater plants. Chlorine scrubbers are pollution control devices that use a dry sorbent material with an air exhaust system to capture chlorine gas in the unlikely event of a chlorine gas release. Specific components include blowers, detectors, exhaust fans, storage tanks, pumps, piping, and panel alarms.

Malcolm Pirnie, Inc. completed design and Invitation for Bids was advertised in August 2010. Six bids were received on August 19, 2010 and prices ranged from \$930,200 to \$1,173,000. The lowest responsible bidder is R&B Group, Inc. for \$930,200.00. R&B Group, Inc. is currently performing other construction work for the City and staff is satisfied with their work performance. The recommendation letter from Malcolm Pirnie, Inc. is included as an exhibit.

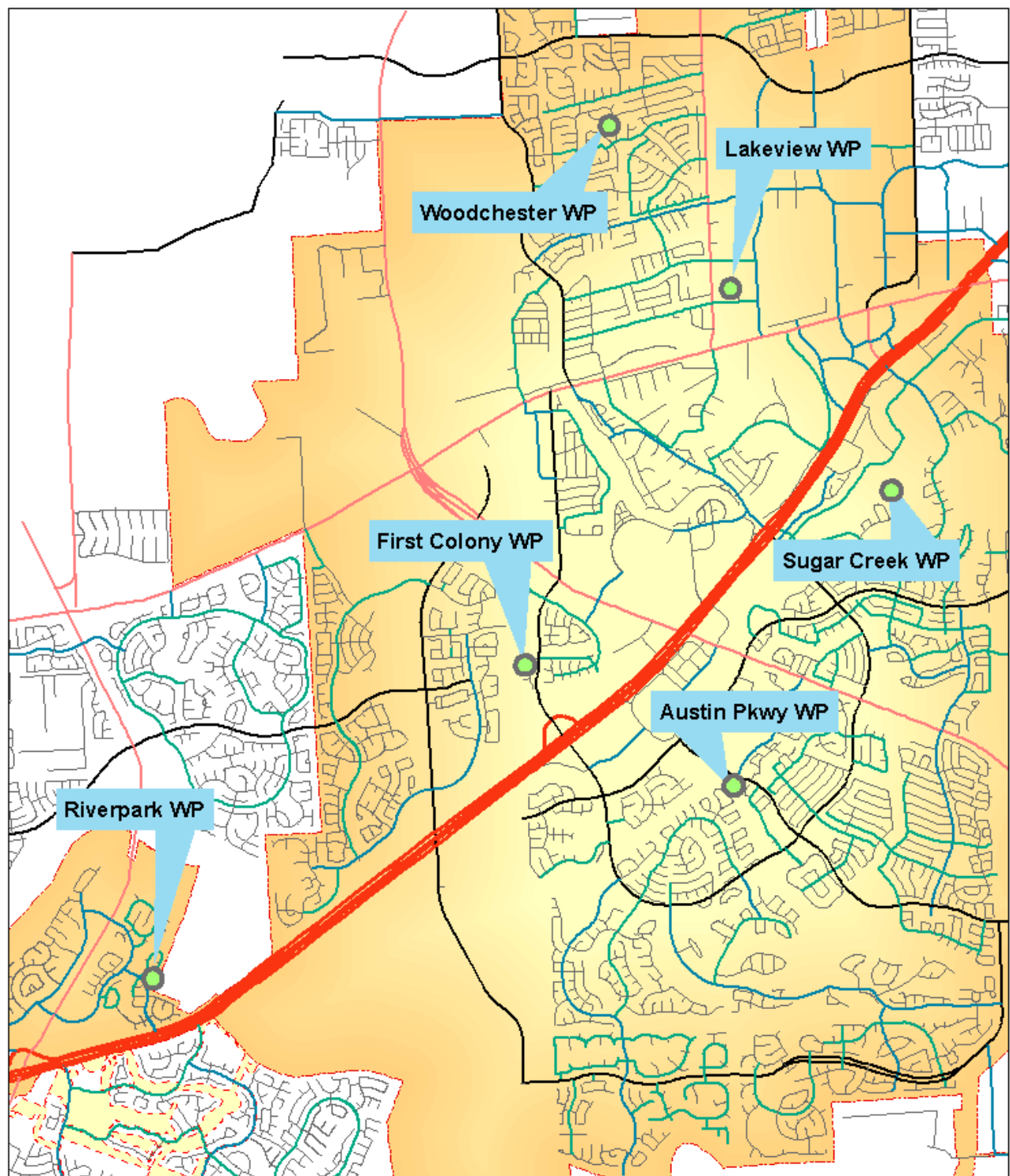
The engineer's probable construction cost estimate was around \$1.8 million. These bids received are substantially lower than expected and are significant savings to the City by taking advantage of timing of market conditions.

The summary of work for this construction contract will include installation of chlorine scrubbers, removal of chlorine gas equipment, installation of new chlorine gas equipment including chlorinators, gauges, switches, injectors, yard piping, scales, fittings, appurtenances, and SCADA/electrical components for new equipment.

Funding for this project is in CIP WA0605, with an available balance of \$1,648,047.00. Notice to proceed is expected in October 2010. Substantial completion is 240 calendar days - June 2010, followed by final completion in July 2010.

The Engineering and Utilities Departments recommend that the City Council authorize the execution of a construction contract with R&B Group, Inc. for the Alternative Disinfection Project, CIP WA0605, in a maximum amount of \$930,200.

EXHIBITS



**CITY OF SUGAR LAND
ALTERNATIVE DISINFECTION SITES**



August 23, 2010

Mr. Timothy Jahn, P.E.,
Engineer IV - Utilities
City of Sugar Land
111 Gillingham Lane
Sugar Land TX 77478

Re: Bid Tabulation and Recommendation of Award
ITB 2010-015 Chlorine Scrubber Improvements Project

Dear Mr. Jahn:

Please find attached the bid tabulation for the above referenced project. Six bids were received for this project. A list of the bidders, respective Submitted Total Bid Price, and Corrected Total Bid Price is provided in the table below. The low bidder is R&B Group, Inc. with a Total Bid Price of \$930,200.00.

Bidder	Submitted Total Bid Price	Corrected Total Bid Price
R J Construction Co., Inc.	\$1,280,100.00	\$1,300,100.00
B-5 Construction Co., Inc.	\$1,206,601.00	\$1,206,601.00
R. P. Constructors, Inc.	\$1,173,300.00	\$1,173,300.00
W. W. Payton Corp.	\$1,050,000.00	\$1,050,000.00
T & C Holding, LLC.	\$953,700.00	\$956,700.00
R & B Group, Inc.	\$930,200.00	\$930,200.00

Mathematical errors were found on one Bid Form. The mathematical error is highlighted in yellow on the attached bid tabulations and summarized below.

- RJ Construction Co., Inc.
 - 1) The Bidder miscalculated the Base Bid for Item No. 1. The unit cost is listed as \$140,000 for a quantity of six and the subtotal was given as \$820,000. The subtotal should be \$840,000.

Bidder T & C Holding, LLC. did not acknowledge the Addenda modifying the Bid Item 12 material quantity from 50 square feet to 100 square feet. This changed the subtotal value given from \$3,000 to \$6,000. The highlighted subtotal for Bid Item 12 reflects the corrected subtotal value. Except for this one item, all six bidders submitted the correct Bid Form, Bid Bond, and the remaining required documents.

The documents provided by R & B Group, Inc., appear to be in order. As the lowest bidder R & B Group, Inc. appears to have met all the bidding requirements. Malcolm Pirnie recommends that the project be awarded to R & B Group, Inc.

Mr. Timothy Jahn, P.E.
City of Sugar Land
August 23, 2010
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If you have any questions or need additional information, please do not hesitate to contact me.

Very truly yours,

MALCOLM PIRNIE, INC.

A handwritten signature in blue ink, appearing to read "Frank Stephens", is written over the company name.

Frank Stephens, P.E.
Sr. Project Engineer

Copy: Gary Rabalais, P.E., Malcolm Pirnie
File: 3996-003 C.1